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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/523,219	10/19/2005	Kenneth Michlitsch	31698-01361	8323
71040 7590 11/21/2007 LUCE, FORWARD, HAMILTON & SCRIPPS 11988 EL CAMINO REAL, SUITE 200			EXAMINER	
			NEAL, TIMOTHY J	
SAN DIEGO, (CA 92130		ART UNIT	PAPER NUMBER
•			3731	
		•		
		·	MAIL DATE	DELIVERY MODE
			11/21/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		(A)
	Application No.	Applicant(s)
	10/523,219	MICHLITSCH, KENNETH
Office Action Summary	Examiner	Art Unit
	Timothy J. Neal	3731
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet w	vith the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUN 36(a). In no event, however, may a will apply and will expire SIX (6) MO e, cause the application to become A	ICATION. Treply be timely filed NTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).
Status	•	
1)⊠ Responsive to communication(s) filed on 27 A	<u>ugust 2007</u> .	
	s action is non-final.	
3) Since this application is in condition for allowa closed in accordance with the practice under E	•	1
Disposition of Claims		
 4) Claim(s) 21-40 is/are pending in the applicatio 4a) Of the above claim(s) 27-30 is/are withdraw 5) Claim(s) is/are allowed. 		
6)⊠ Claim(s) <u>21-26, 31-40</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/o	or election requirement.	
Application Papers		
9)☐ The specification is objected to by the Examine	er.	
· 10) The drawing(s) filed on is/are: a) acc		by the Examiner.
Applicant may not request that any objection to the	drawing(s) be held in abeya	ance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correct	tion is required if the drawing	g(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Ex	xaminer. Note the attache	ed Office Action or form PTO-152.
Priority under 35 U.S.C. § 119		
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	priority under 35 U.S.C.	§ 119(a)-(d) or (f).
 Certified copies of the priority document 	ts have been received.	
2. Certified copies of the priority document		
3. Copies of the certified copies of the prio	•	n received in this National Stage
application from the International Burea		A magained
* See the attached detailed Office action for a list	of the certified copies no	t received.
Attach mont/o)		
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🗌 Interview	Summary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No	(s)/Mail Date
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5)	Informal Patent Application
Fig. (NY)	,	

DETAILED ACTION

This action is in response to the amendments and Request for Continued Examination filed on 08/27/2007.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 21-26, 31-33, and 37-40 are rejected under 35 U.S.C. 102(b) as being anticipated by Kensey et al. (US 5,545,178).

Kensey discloses:

21. A device for sealing a puncture tract by forming and extruding an autologous plug within the puncture tract, wherein the puncture tract is disposed within tissue proximal to a vessel, the device comprising: a housing comprising an outer tube (Figure 1 Item 64) and an inner tube, the inner tube having a lumen (Fig 1 Item 84) in flow communication with the puncture tract and the vessel, the inner tube further having a plurality of openings (Figure 1, distal and proximal openings of Item 84) in fluid communication with the outer tube, a volume of blood provided in the lumen being mixable with a blood congealing agent provided to the volume of blood (Column 11 Lines 22-33); a closure

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element (Fig 1 Item 38) configured to be inserted from the housing into the puncture tract and to isolate the volume of blood admixed with the blood congealing agent from the vessel during formation of the autologous plug from the volume of blood by action of the blood congealing agent; and a plunger (Fig 1 Item 76) disposed for translation within the lumen to extrude the autologous plug formed within the lumen.

- 22. The device of claim 21, wherein the housing comprises a second lumen defined by an annular interstice between the outer tube and the inner tube (Fig 1).
- 23. The device of claim 22, wherein the second lumen is disposed within the plunger (Fig 1 Item 84).
- 24. The device of claim 21, wherein the autologous plug formed in the lumen has a length and a form factor that causes the autologous plug to engage tissue surrounding the puncture tract after ejection by the plunger into the puncture tract (Fig 5).
- **25.** The device of claim 21, wherein the closure element comprises a pledget and thread (Fig 1 Item 38 and Items 42A and 42B).
- **26.** The device of claim 25, wherein at least one of the pledget and the thread is biodegradable (Col 8 Line 60 and Col 9 Line 35).

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- **31.** The device of claim 21, wherein the blood congealing agent is pre-disposed within the lumen (Fig 1 Item 36).
- **32.** The device of claim 31, wherein the blood congealing agent is coated onto an interior surface of the lumen (Col 10 Line 2).
- **33.** The device of claim 21, wherein the blood congealing agent is introduced into the lumen through the plurality of opening[s] (Column 10 Line 2).
- **37.** The device of claim 21, wherein the blood congealing agent comprises a matrix (Col 8 Line 25).
- **38.** The device of claim 37, wherein the matrix is chosen from the group consisting of gauze, biocompatible foam, and spun fiber (Col 8 Line 25).
- 39. The device of claim 37, wherein the matrix is biodegradable (Col 8 Line 25).
- **40.** The device of claim 37, wherein the matrix comprises at least one channel disposed therethrough (Fig 1 Item 36).

Claim Rejections - 35 USC § 103

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 34 and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kensey (US 5,545,178) in view of Greenhalgh (U.S. 6,391,037).

Kensey discloses the invention substantially as claimed as stated above.

Kensey does not disclose the blood congealing agent comprises a platinum wire; the blood congealing agent comprises a thermo-resistive wire.

Greenhalgh teaches a platinum and thermo-resistive wire (Col 1 Line 52) to clot blood. Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to modify Kensey's wound sealing apparatus to include Greenhalgh's platinum and thermo-resistive wires. Such a modification would promote blood clotting.

Claim 36 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kensey (US 5,545,178) in view of Hannam et al. (US 5,649,959).

Kensey discloses the invention substantially as claimed as stated above.

Kensey does not disclose the claimed blood congealing agent. Hannam teaches the use of fibrin and thrombin (Column 9 Line 22) to promote hemostasis. Therefore, it would have been obvious to a person having ordinary skill in the art at the time the

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invention was made to modify Kensey's congealing agent to include Hannam's fibrin and thrombin. Such a modification would promote hemostasis.

Response to Arguments

Applicant's arguments filed 08/27/2007 have been fully considered but they are not persuasive.

The Applicant has argued that Kensey does not anticipate the claimed invention because it does not disclose an inner and outer tube. The Examiner disagrees. The rejection set forth above indicates the inner and outer tubes. The Applicant has made no further arguments.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy J. Neal whose telephone number is (571) 272-0625. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Todd Manahan can be reached on (571) 272-4713. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TJN

Todd & Manahan SPE 3731